

CLAIMS

1. A confection comprising menthyl glutarate and one or more other physiological cooling agents selected from the group consisting of *l*-isopulegol, p-menthane-3,8-diol and mixtures thereof.
2. The confection of claim 1 further comprising *l*-menthol.
3. The confection of any one of claims 1 to 2 wherein the cooling agents are treated by an encapsulation process.
4. The confection of claim 3 wherein the cooling agents are encapsulated by a spray drying process.
5. The confection of claim 3 wherein the cooling agents are encapsulated by a fluid bed coating process.
6. The confection of any one of claims 1 to 2 wherein the cooling agents are treated by being entrapped in an extrusion process.
7. The confection of any one of claims 1 to 6 wherein the confection comprises a chewing gum composition.
8. The confection of claim 2 wherein the physiological cooling agents in the confection consist of menthyl glutarate, *l*-isopulegol and p-menthane-3,8-diol.
9. The confection of any one of claims 1 to 8 wherein the menthyl glutarate and one or more other physiological cooling agents are present in a coating on the confection.
10. The confection of any one of claims 1 to 6 and 8 wherein the confection comprises a chewing gum composition and the menthyl glutarate and one or more other physiological cooling agents are present in a coating on the chewing gum.

11. The confection of any one of claims 1 to 10 wherein the confection comprises at least 5 ppm physiological cooling agent.

12. The confection of any one of claims 1 to 6 and 8 wherein the confection comprises a chewing gum product and the physiological cooling agents comprise at least 25 ppm of the product.

13. The chewing gum composition of claim 7 wherein the chewing gum composition comprises at least 5 ppm *l*-isopulegol.

14. The confection of any one of claims 1 to 13 wherein the confection further comprises a physiological cooling agent selected from the group consisting of menthyl succinate; menthyl lactate; 3-*l*-menthoxypropane-1,2-diol; N-substituted p-menthane carboxamide; acyclic carboxamide; menthone glycerol ketals and mixtures thereof.

15. A cooling flavor composition which imparts a physiological cooling effect to oral compositions in which it is used, comprising menthyl glutarate and one or more other physiological cooling agents selected from the group consisting of *l*-isopulegol, p-menthane-3,8-diol and mixtures thereof.

16. The cooling flavor composition of claim 15 wherein the composition further comprises an additional physiological cooling agent selected from the group consisting of menthyl succinate; menthyl lactate; 3-*l*-menthoxypropane-1,2-diol; N-substituted p-menthane carboxamide; acyclic carboxamide; menthone glycerol ketals and mixtures thereof.

17. The cooling flavor composition of any one of claims 15 to 16 wherein said one or more other physiological cooling agents comprise, by weight of the menthyl glutarate:

- a) about 2% to about 50% *l*-isopulegol, and
- b) about 2% to about 50% p-menthane-3,8-diol.

18. A confection comprising a flavor and a cooling flavor composition according to any one of claims 15 to 17.

19. The cooling flavor composition of any one of claims 15 to 17 further comprising *l*-menthol.

20. The cooling flavor composition of claim 19 wherein the ratio of physiological cooling agents to *l*-menthol is between about 2:98 and about 3:2.

21. The cooling flavor composition of claim 19 wherein the ratio of physiological cooling agents to *l*-menthol is between about 4:96 and about 1:4.

22. A coated confection, the coating comprising a coating material, menthyl glutarate and one or more other physiological cooling agents selected from the group consisting of *l*-isopulegol, p-menthane-3,8-diol and mixtures thereof.

23. A chewing gum composition comprising:

- a) about 5% to about 95% gum base;
- b) about 5% to about 95% bulking and sweetening agent; and
- c) about 0.1 to about 10% flavoring agent wherein the flavoring agent comprises menthyl glutarate and one or more other physiological cooling agents selected from the group consisting of *l*-isopulegol, p-menthane-3,8-diol and mixtures thereof.

24. The chewing gum composition of claim 23 wherein a blend of *l*-isopulegol and menthyl glutarate are used in the chewing gum at a ratio of between about 3:1 to 1:3 *l*-isopulegol: menthyl glutarate.

25. The chewing gum composition of claim 23 wherein the blend of *l*-isopulegol and menthyl glutarate are used in the chewing gum at a ratio of about 1:1 *l*-isopulegol: menthyl glutarate.

26. The confection of any one of claims 1 to 14 wherein a blend of *l*-isopulegol, p-menthane-3,8-diol and menthyl glutarate are used in the confection

at a ratio of menthyl glutarate to the total of *l*-isopulegol and p-menthane-3,8-diol of between about 20:3 and about 60:3.

27. The confection of claim 26 wherein the ratio of menthyl glutarate to the total of *l*-isopulegol and p-menthane-3,8-diol is about 40:3.